

Amendments to the Specification:

1. Page 23, Line 15:

Please replace the number 608 with 624 on line 15. The paragraph (beginning at line 10) should read:

FIG. 6 is a functional block diagram of a receiver front end, according to one embodiment of the invention, with multi-stage reactive biasing that has a common control. It differs from the embodiment of the previous figure in that all active stages with reactive biasing operate at the same relative bias level depending on the strength of the current signal environment. It also differs from the previous figure in that the bias level of local oscillator & buffer ~~608~~624 is adjusted in reaction to signal level.

2. Page 25, Line 2:

Please replace the number 646 with 645 on line 2. The paragraph (beginning at line 1) should read:

IF amplifier 605 amplifies internal IF signal 634 into IF output signal 635. The bias of IF amplifier 605 can be set by bias level ~~646~~645, which can be produced by fourth bias

generator 615. IF amplifier 605 can be any type of IF amplifier with characteristics suitable for the particular application. For example, it can be the IF amplifier shown in FIG. 4.

3. Page 25, Lines 6&7

Please replace the number 625 with 635 on line 6 and the number 625 with 635 on line 7. The paragraph (beginning at line 6) should read:

As shown in FIG. 6, level detector 606 receives IF output signal 625 635. It detects the signal level of IF output signal 625 635, and thus indirectly it detects the signal level of RF input signal 631. In other embodiments, level detector 606 can receive a signal that is intermediate between RF input signal 631 and IF output signal 635. According to this signal level, level detector 606 produces bias control signal 636.

4. Page 25, Line 26

Please replace the number 708 with 607 on line 26. The paragraph (beginning at line 26) should read:

Bias adjustment circuit ~~708~~ 607 can also include circuitry that compensates for threshold variations of active devices within the reactive biasing system, including but not limited to variations in the threshold of its field effect transistors (FETs). Because the linear range of a FET may be narrow, it may be important to calibrate or set the levels used so as to maintain the circuit's operation within that linear range.

5. Page 26, line 4

Please replace the number 616 with 615 on line 4. The paragraph (beginning at line 1) should read:

Alternatively, bias adjustment circuit 607 can be eliminated or simplified. This can apply if level detector 606 has a relatively strong signal (such as an IF signal) to work with and is thus able to produce a bias control signal of a suitable level and range of variation for bias generators 612 through ~~616~~ 615 to work with directly.

6. Page 26, line 6 and line 8

Please replace the number 627 with 637 on line 6 and number 627 with 637 on line 8. The paragraph (beginning at line 5) should read:

First bias generator 612 can produce first bias level 632 according to adjusted bias control signal ~~627~~ 637 and, optionally, according to a first regulating feedback signal that is internal to first bias generator 612. Similarly, second bias generator 613 can produce second bias level 633 according to adjusted bias control signal ~~627~~ 637 and, optionally, a second regulating feedback signal that is internal to second bias generator 613. Similar principles apply to bias generators 614 through 615.

7. Page 28, line 31

Please replace the number 606 with 707 on line 31. The paragraph (beginning at line 26) should read:

As shown in FIG. 7, level detector 707 receives fifth internal RF signal 726, or switched RF signal 725. It detects the signal level of this signal, and thus indirectly it detects the signal level of RF input signal 720. In other embodiments,

level detector 606 can receive a signal that is intermediate between RF input signal 720 and switched RF signal 725, or it can receive IF output signal 732. According to this signal level, level detector 606 707 produces bias control signal 727 and bypass control signal 731.

8. Page 29, line 8:

Please replace the number 637 with 737 on line 8. The paragraph (beginning at line 6) should read:

Bias adjustment circuit 708 produces adjusted bias control signal 728 according to bias control signal 727. Bias adjustment circuit 708 can be any circuit that is able to adjust bias control signal 637 727 in a manner that matches the response of level detector 707 to the bias variation required by the active stages whose bias is being reactively controlled.

9. Page 32, line 11

Please add the text "dBm" at the end of the sentence after the number-90 and before the comma. The paragraph (beginning at line 10) should read:

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In the following table, the RF amplifier state is decided upon the CDMA signal level being above or below the switch point.

Case 1 is a switch point less than -90 dBm, Case 5 is a switch point greater than -90 dBm.